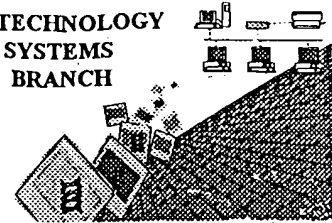


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING
ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/996,611C
Source: 1FW16
Date Processed by STIC: 2/20/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENT IN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFW16

RAW SEQUENCE LISTING

DATE: 02/20/2004

PATENT APPLICATION: US/09/996,611C

TIME: 08:16:11

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\02202004\I996611C.raw

1 <110> APPLICANT: Chou, Min-Yuan
 2 Leu, Charng-Yih
 4 <120> TITLE OF INVENTION: Novel Human alpha 1 Chain Collagen
 6 <130> FILE REFERENCE: 32350-176844
 8 <140> CURRENT APPLICATION NUMBER: US 09/996,611C
 9 <141> CURRENT FILING DATE: 2001-11-30
 11 <150> PRIOR APPLICATION NUMBER: TAIWAN 89128027
 12 <151> PRIOR FILING DATE: 2000-12-27
 14 <160> NUMBER OF SEQ ID NOS: 15
 16 <170> SOFTWARE: Microsoft Word

Does Not Comply
 Corrected Diskette Needed

ERRORED SEQUENCES

534 <210> SEQ ID NO: 6
 535 <211> LENGTH: 12 22 shown below
 536 <212> TYPE: DNA
 537 <213> ORGANISM: Homo sapiens
 539 <220> FEATURE:
 540 <223> OTHER INFORMATION: primer
 542 <400> SEQUENCE: 6
 E--> 543 gggttcacatt tgccttcctt ag
 546 <210> SEQ ID NO: 7
 547 <211> LENGTH: 13 23
 548 <212> TYPE: DNA
 549 <213> ORGANISM: Homo sapiens
 551 <220> FEATURE:
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 554 <400> SEQUENCE: 7
 E--> 555 ttggccatt aatcctcggt ttc
 558 <210> SEQ ID NO: 8
 559 <211> LENGTH: 14 24
 560 <212> TYPE: DNA
 561 <213> ORGANISM: Homo sapiens
 563 <220> FEATURE:
 564 <223> OTHER INFORMATION: primer
 566 <400> SEQUENCE: 8
 E--> 567 attcctgggc cacctggtcc gata
 570 <210> SEQ ID NO: 9
 571 <211> LENGTH: 11 21 p.2
 572 <212> TYPE: DNA
 573 <213> ORGANISM: Homo sapiens
 575 <220> FEATURE:

pp 1-3

12 22

13 23

14 24

RAW SEQUENCE LISTING

DATE: 02/20/2004

PATENT APPLICATION: US/09/996,611C

TIME: 08:16:11

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\02202004\I996611C.raw

576 <223> OTHER INFORMATION: primer
578 <400> SEQUENCE: 9
E--> 579 ctaatagttt ggtccttttc t
582 <210> SEQ ID NO: 10
583 <211> LENGTH: 16 26
584 <212> TYPE: DNA
585 <213> ORGANISM: Homo sapiens
587 <220> FEATURE:
588 <223> OTHER INFORMATION: primer
590 <400> SEQUENCE: 10
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594 <210> SEQ ID NO: 11
595 <211> LENGTH: 14 24
596 <212> TYPE: DNA
597 <213> ORGANISM: Homo sapiens
599 <220> FEATURE:
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602 <400> SEQUENCE: 11
E--> 603 catgtgggcc atgagggtcca ccac
606 <210> SEQ ID NO: 12
607 <211> LENGTH: 13 23
608 <212> TYPE: DNA
609 <213> ORGANISM: Homo sapiens
611 <220> FEATURE:
612 <223> OTHER INFORMATION: primer
614 <400> SEQUENCE: 12
E--> 615 ttctctggaaa ccgaggatta atg
618 <210> SEQ ID NO: 13
619 <211> LENGTH: 12 22
620 <212> TYPE: DNA
621 <213> ORGANISM: Homo sapiens
623 <220> FEATURE:
624 <223> OTHER INFORMATION: primer
626 <400> SEQUENCE: 13
E--> 627 agtccacgat cacccttgct ac
630 <210> SEQ ID NO: 14
631 <211> LENGTH: 14 24
632 <212> TYPE: DNA
633 <213> ORGANISM: Homo sapiens
635 <220> FEATURE:
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642 <210> SEQ ID NO: 15
643 <211> LENGTH: 23 43
644 <212> TYPE: DNA
645 <213> ORGANISM: Homo sapiens
647 <220> FEATURE:
648 <223> OTHER INFORMATION: primer

(11) 21

(16) 26

(14) 24

(13) 23

(12) 22

(14) 24

RAW SEQUENCE LISTING

DATE: 02/20/2004

PATENT APPLICATION: US/09/996,611C

TIME: 08:16:11

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\02202004\I996611C.raw

650 <400> SEQUENCE: 15

E--> 651 ttagtgatgg tgatggtgat gctcatagtt tggtcctttt ctg

23 43

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/996,611C

DATE: 02/20/2004

TIME: 08:16:12

Input Set : A:\Sequence Listing.txt

Output Set: N:\CRF4\02202004\I996611C.raw

L:543 M:254 E: No. of Bases conflict, LENGTH:Input:12 Counted:22 SEQ:6
L:543 M:252 E: No. of Seq. differs, <211> LENGTH:Input:12 Found:22 SEQ:6 ✓
L:555 M:254 E: No. of Bases conflict, LENGTH:Input:13 Counted:23 SEQ:7
L:555 M:252 E: No. of Seq. differs, <211> LENGTH:Input:13 Found:23 SEQ:7 ✓
L:567 M:254 E: No. of Bases conflict, LENGTH:Input:14 Counted:24 SEQ:8 ✓
L:567 M:252 E: No. of Seq. differs, <211> LENGTH:Input:14 Found:24 SEQ:8 ✓
L:579 M:254 E: No. of Bases conflict, LENGTH:Input:11 Counted:21 SEQ:9 ✓
L:579 M:252 E: No. of Seq. differs, <211> LENGTH:Input:11 Found:21 SEQ:9 ✓
L:591 M:254 E: No. of Bases conflict, LENGTH:Input:16 Counted:26 SEQ:10 ✓
L:591 M:252 E: No. of Seq. differs, <211> LENGTH:Input:16 Found:26 SEQ:10 ✓
L:603 M:254 E: No. of Bases conflict, LENGTH:Input:14 Counted:24 SEQ:11 ✓
L:603 M:252 E: No. of Seq. differs, <211> LENGTH:Input:14 Found:24 SEQ:11 ✓
L:615 M:254 E: No. of Bases conflict, LENGTH:Input:13 Counted:23 SEQ:12 ✓
L:615 M:252 E: No. of Seq. differs, <211> LENGTH:Input:13 Found:23 SEQ:12 ✓
L:627 M:254 E: No. of Bases conflict, LENGTH:Input:12 Counted:22 SEQ:13 ✓
L:627 M:252 E: No. of Seq. differs, <211> LENGTH:Input:12 Found:22 SEQ:13 ✓
L:639 M:254 E: No. of Bases conflict, LENGTH:Input:14 Counted:24 SEQ:14 ✓
L:639 M:252 E: No. of Seq. differs, <211> LENGTH:Input:14 Found:24 SEQ:14 ✓
L:651 M:254 E: No. of Bases conflict, LENGTH:Input:23 Counted:43 SEQ:15 ✓
L:651 M:252 E: No. of Seq. differs, <211> LENGTH:Input:23 Found:43 SEQ:15 ✓